

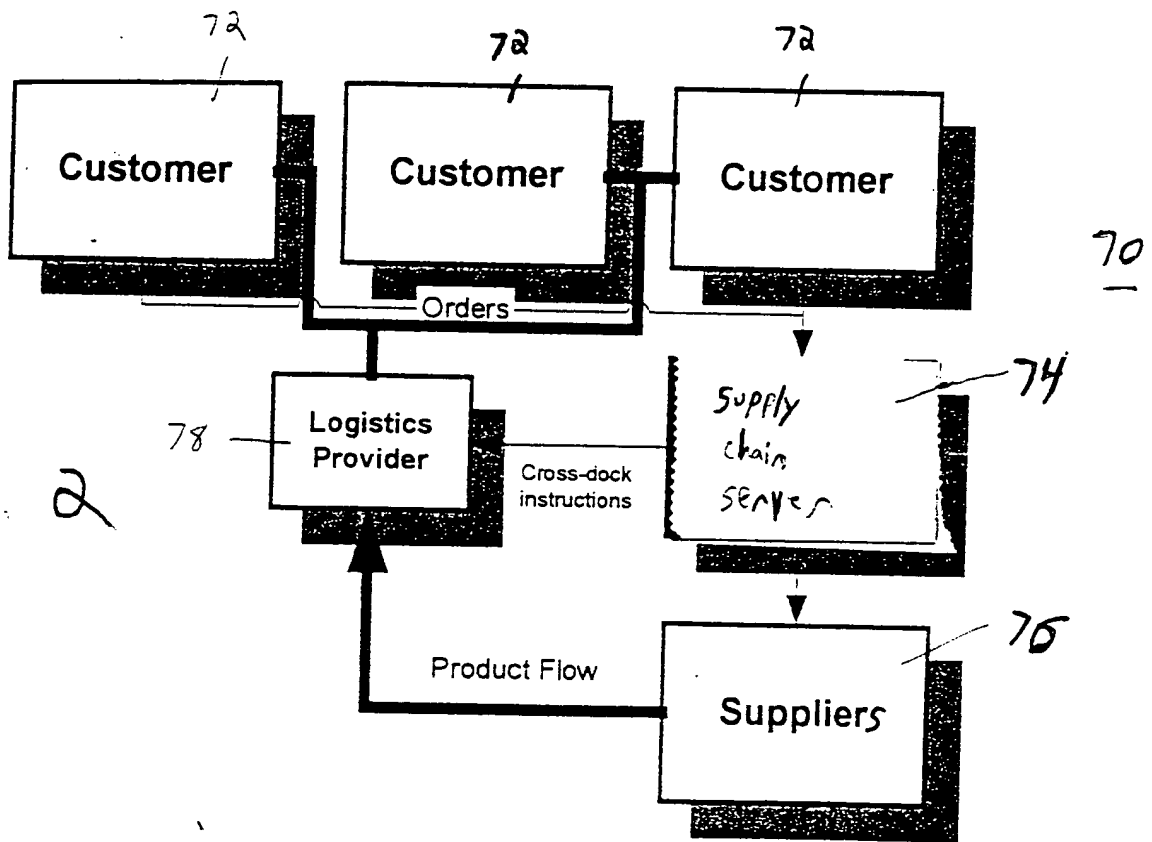
Fig. 1

50

Prior Art

09758509-04401

Fig. 2



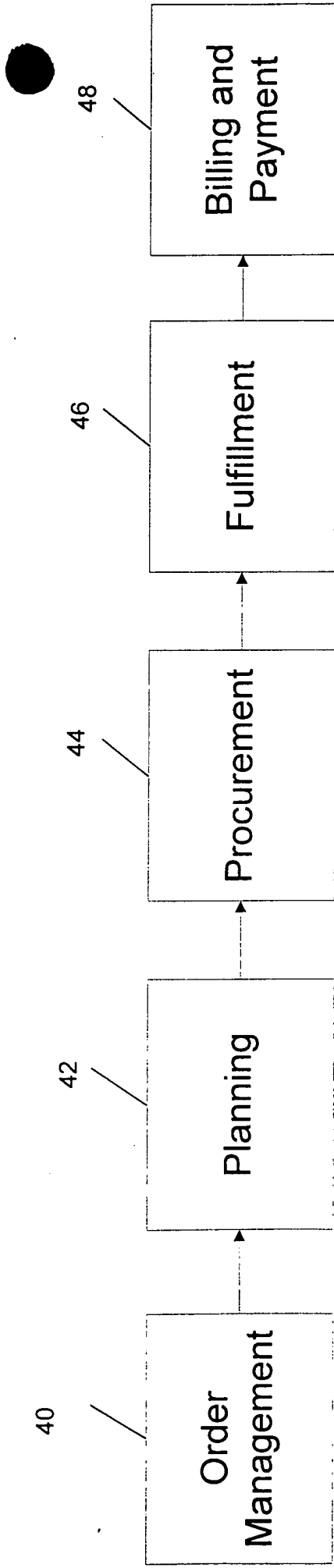


Fig. 3

Order Management: Process Flow

Demand Capture and Validation - Regular demand

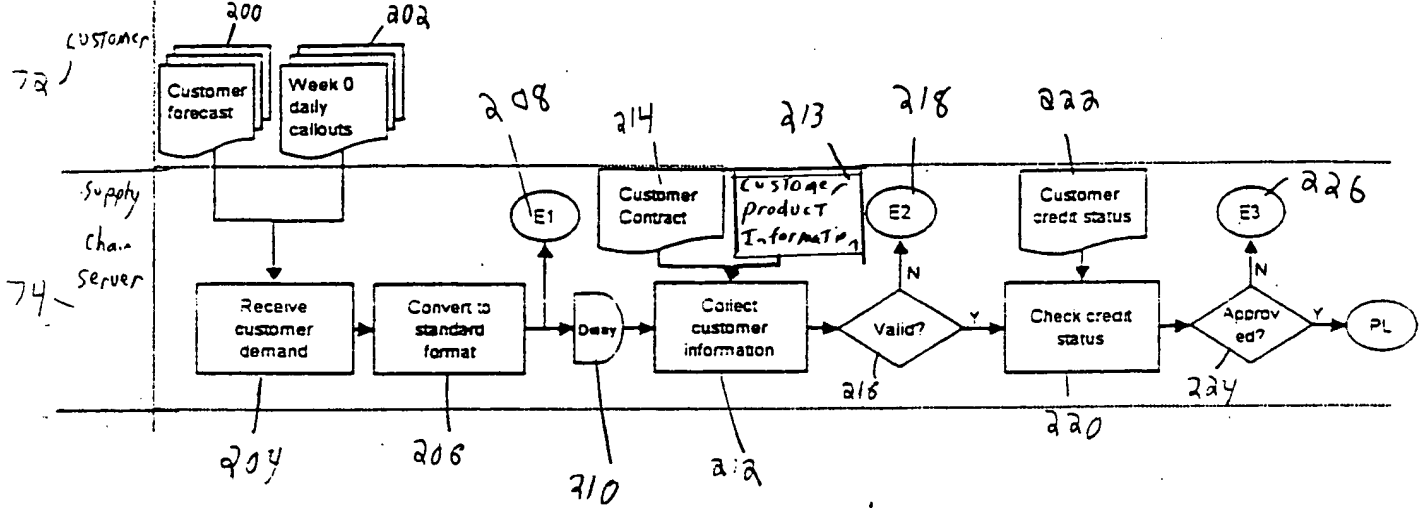


Fig. 4

00758509-04101

Order Management: Process Flow

Demand Capture and Validation - Ad hoc demand

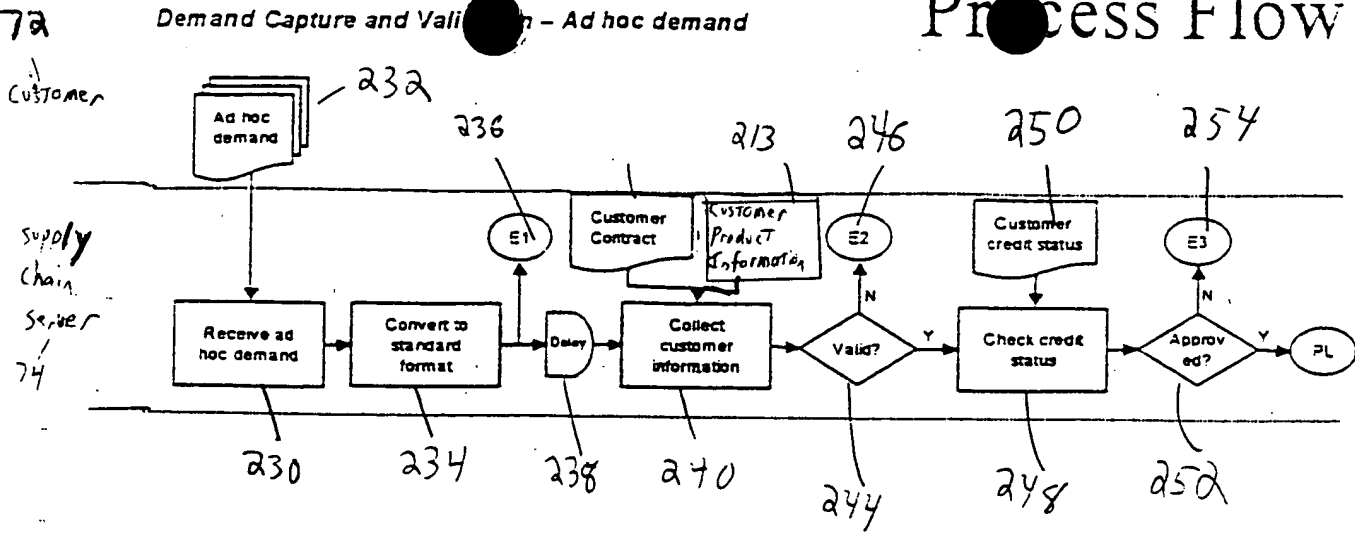


Fig. 5

0075500-0440
T.O.F.F.O. 60585260

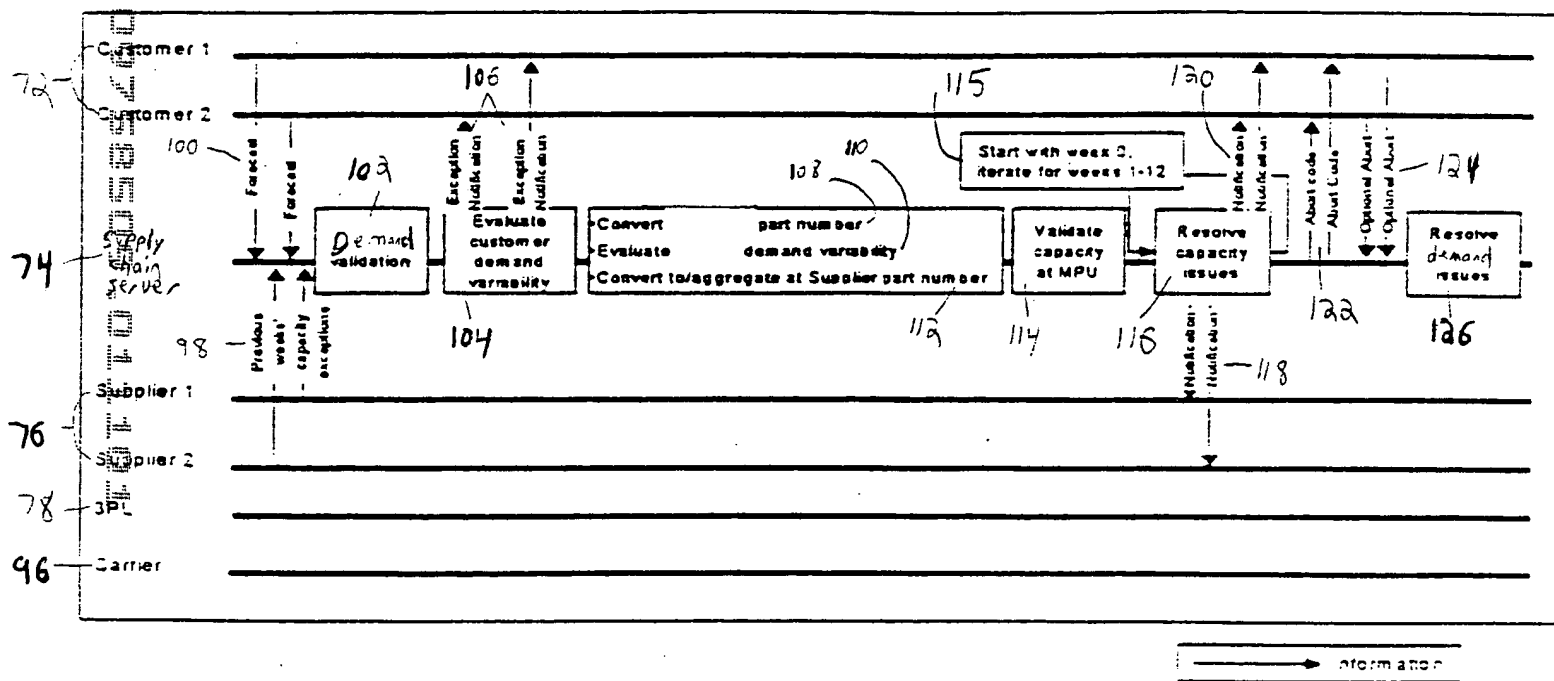
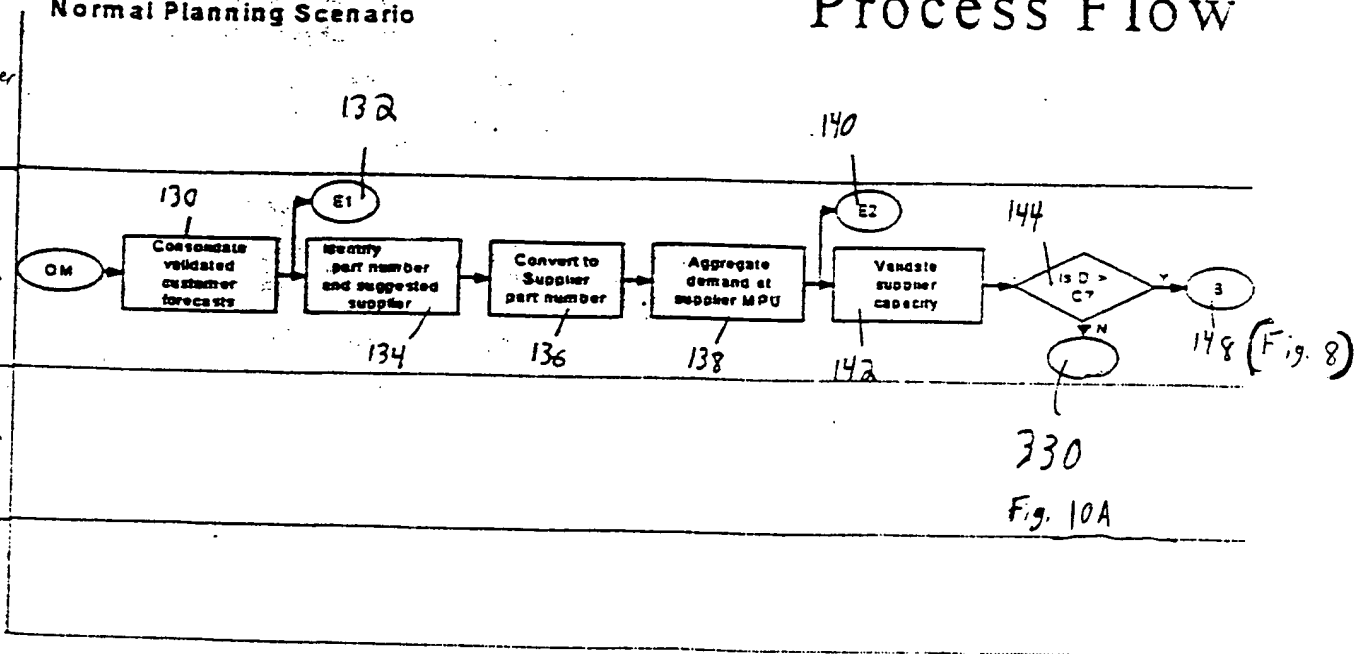


Fig. 6

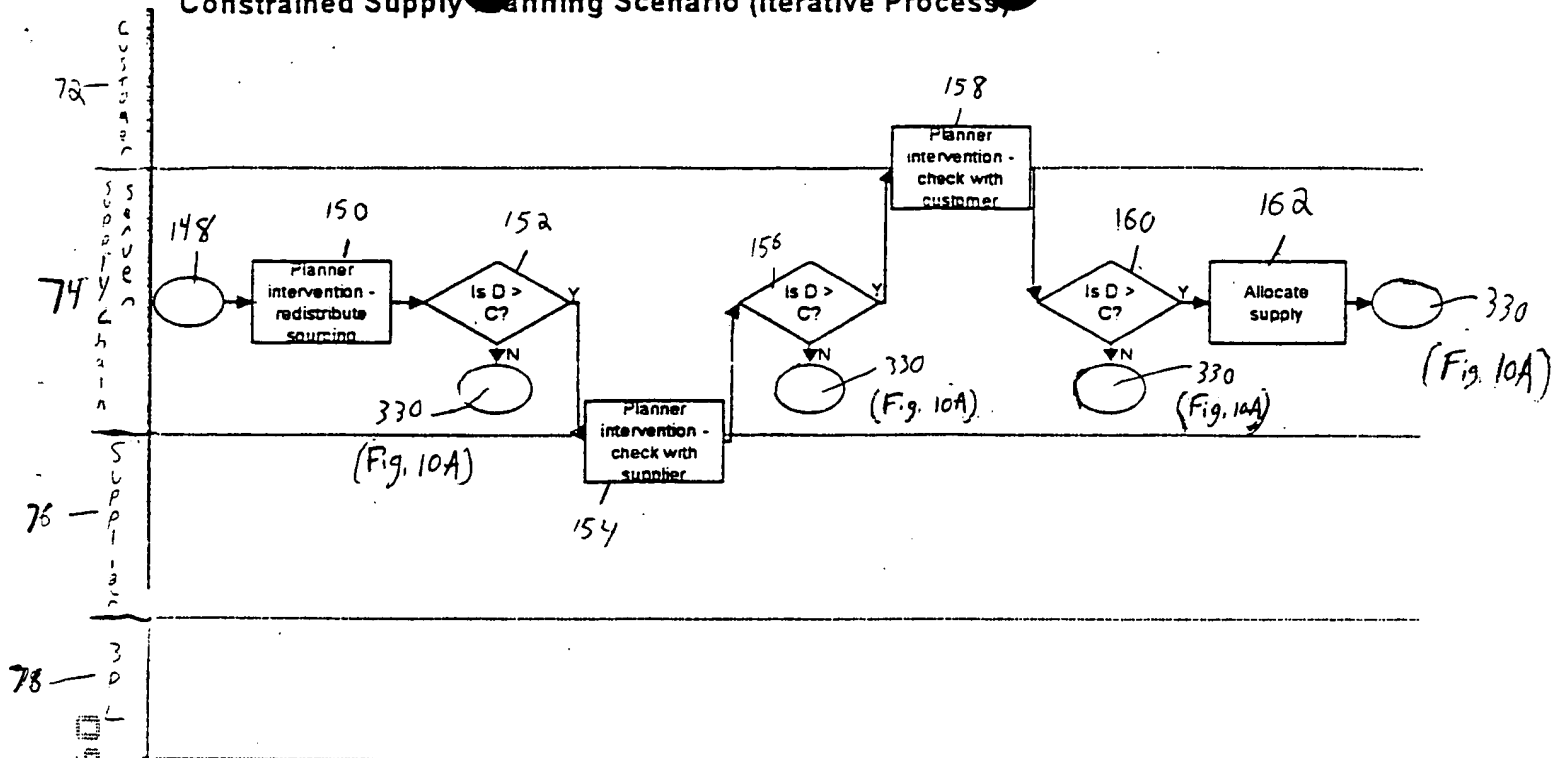
Planning: Process Flow

Normal Planning Scenario



Planning: Process Flow

Constrained Supply Planning Scenario (Iterative Process)



Planning: Process Flow

Ad Hoc Order Planning Scenario

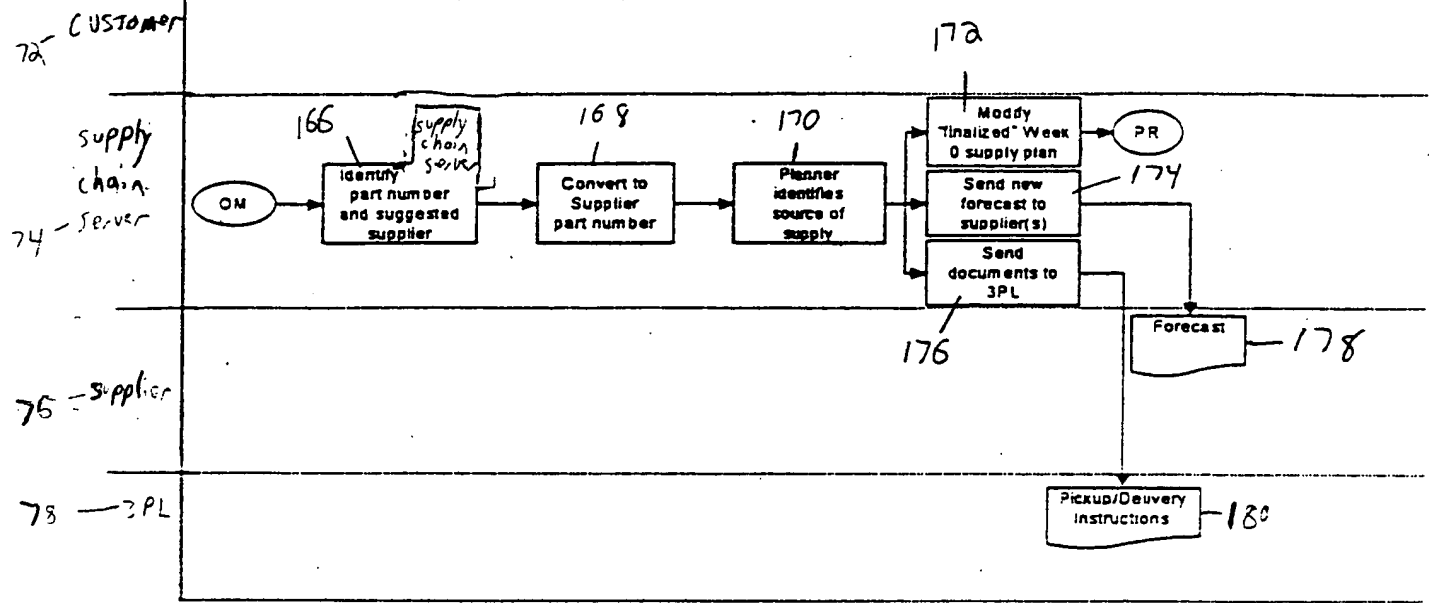


Fig. 9

00758509-04401
FOUO

Procurement: Process Flow

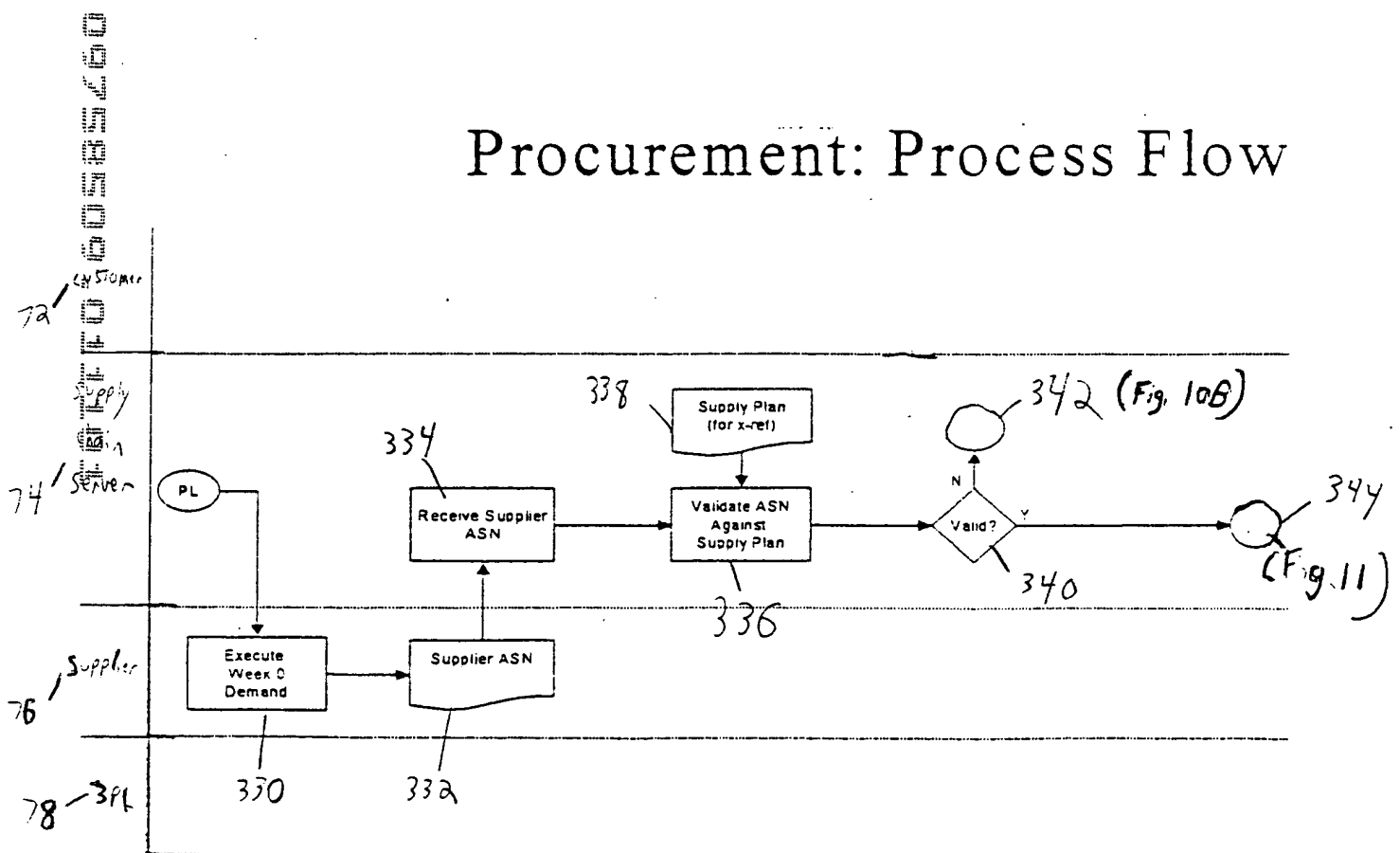


Fig. 10A

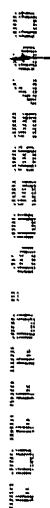


Fig. 10 B

[illegible]

S-poly
chain
server

Supplier
75

3PL

Fig. 11

Procurement: Process Flow

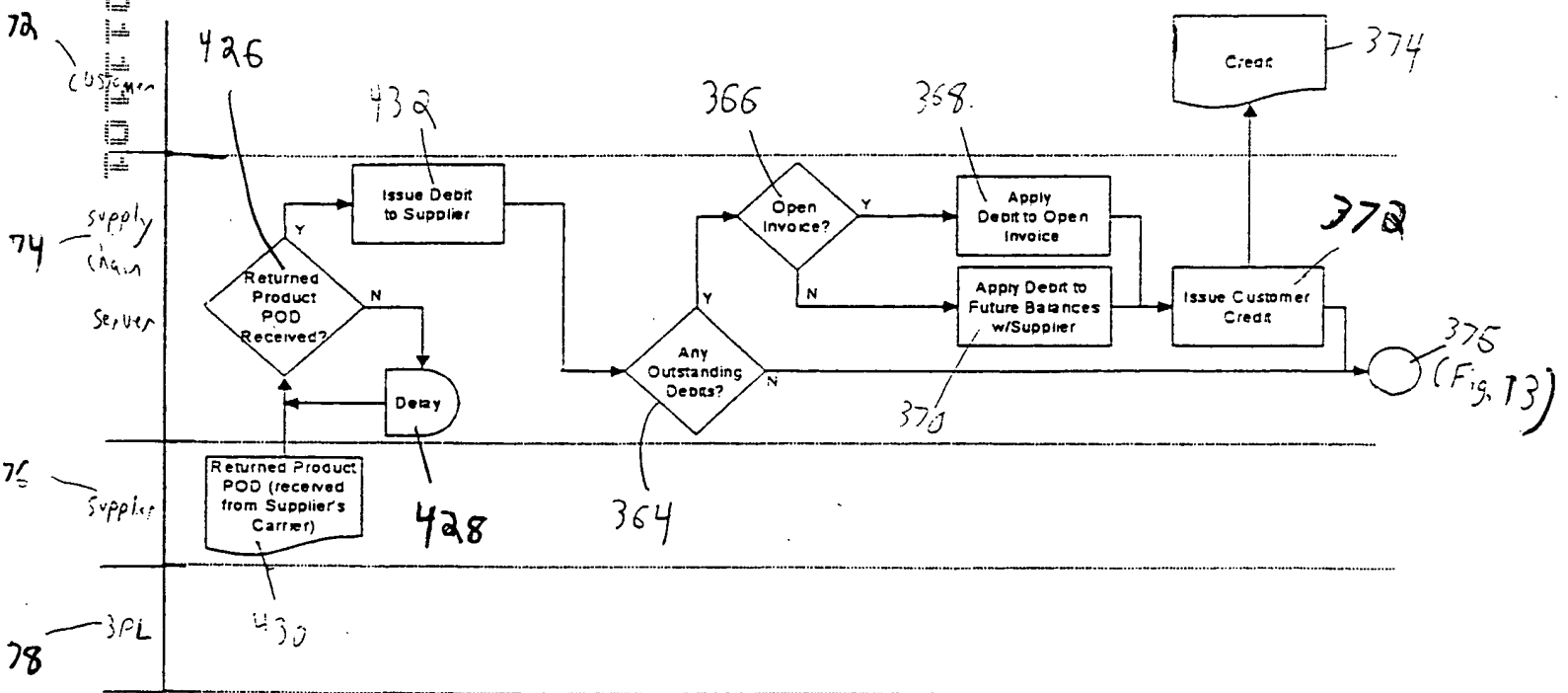
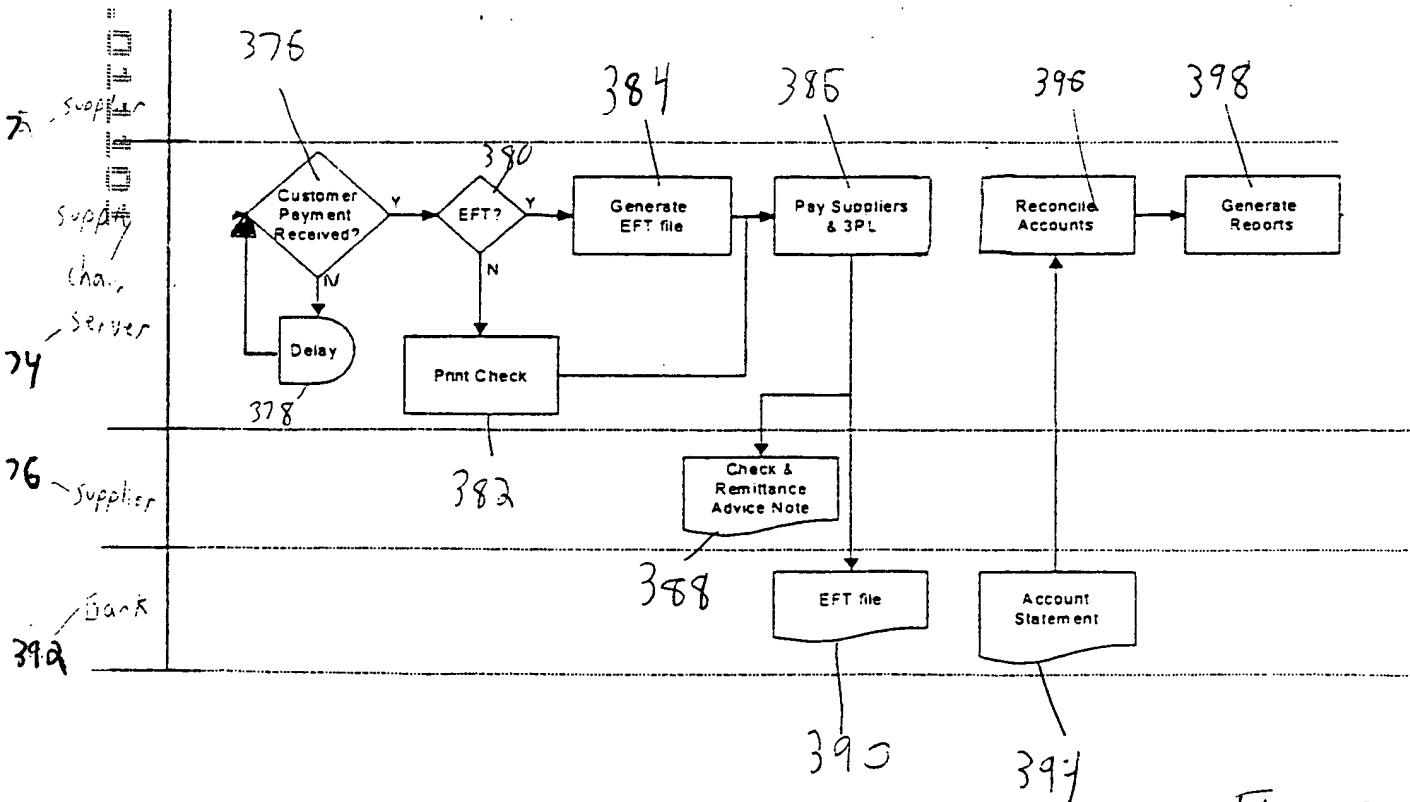


Fig. 12

Procurement: Process Flow



Procurement: Process Flow

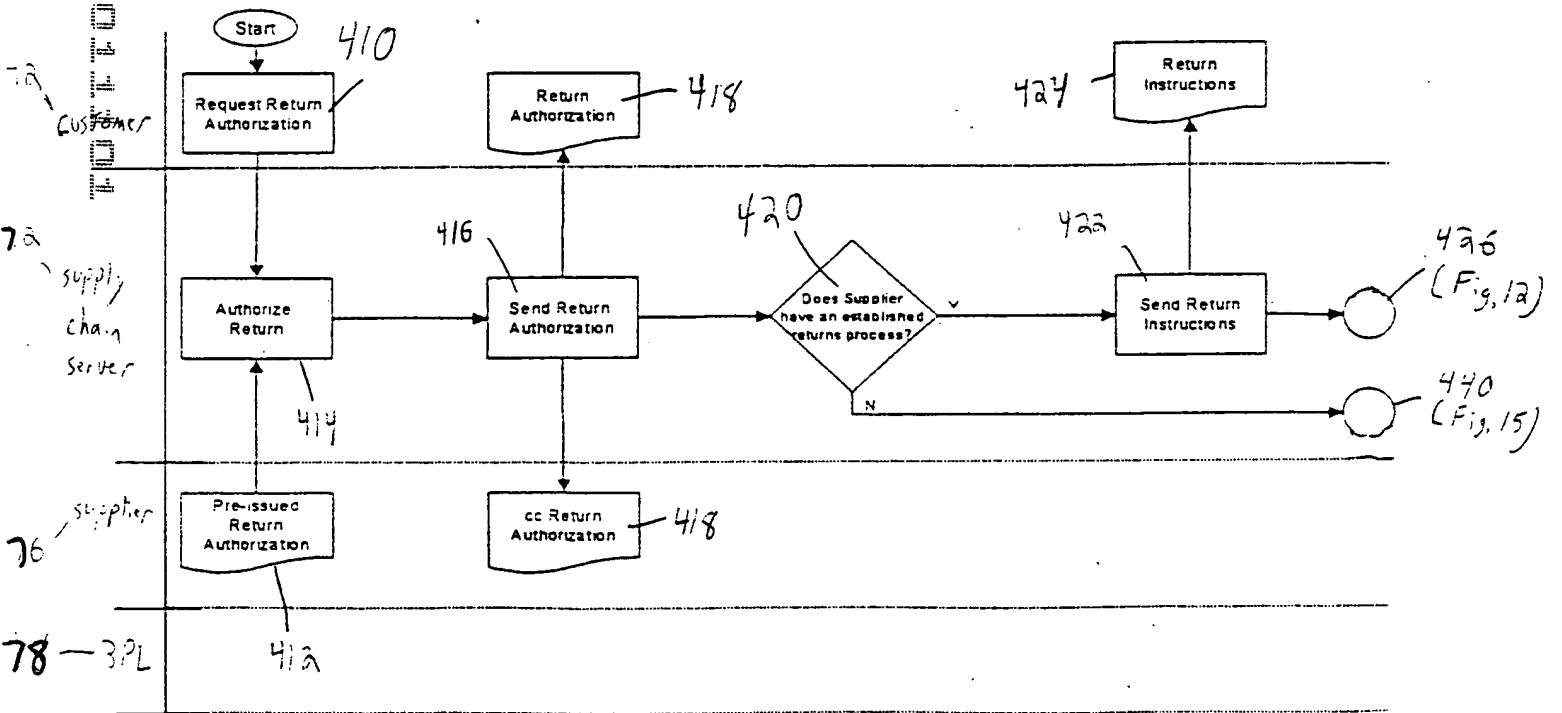


Fig. 14

Time-Phased Fulfillment Flow

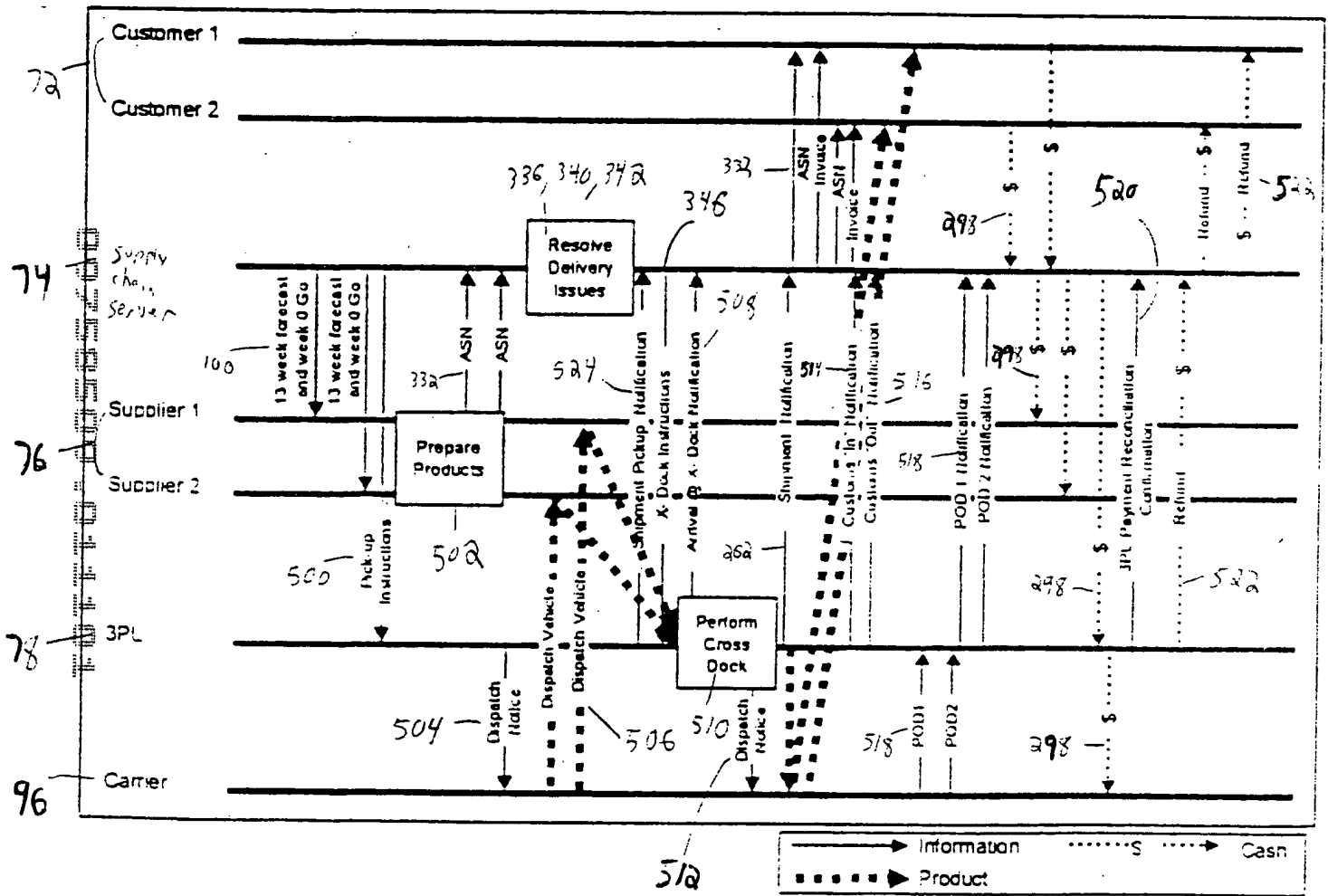


Fig. 16

Process Flow

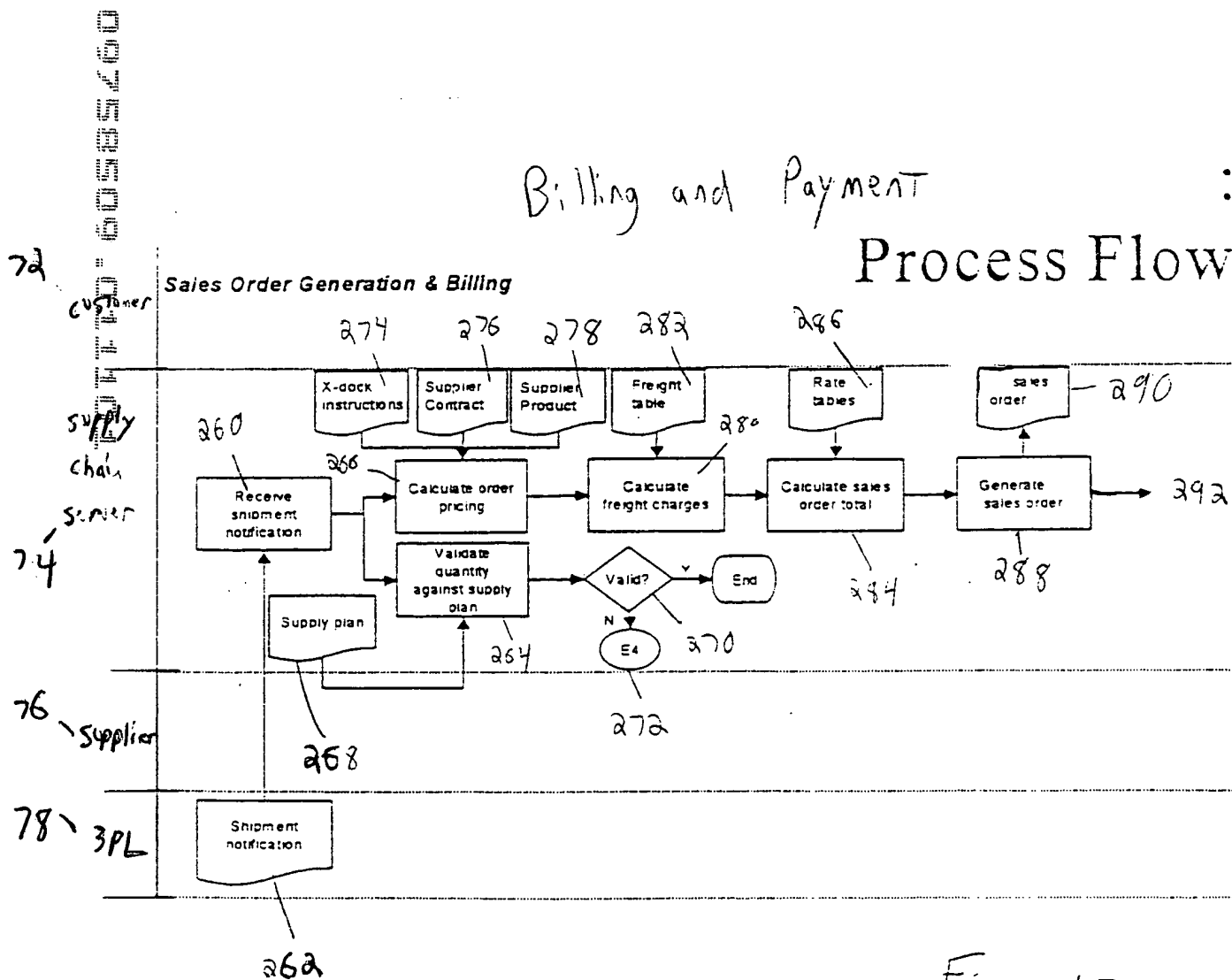


Fig. 17

Billing and Payment

Process Flow

Sales Order Generation & Billing (Cont.)

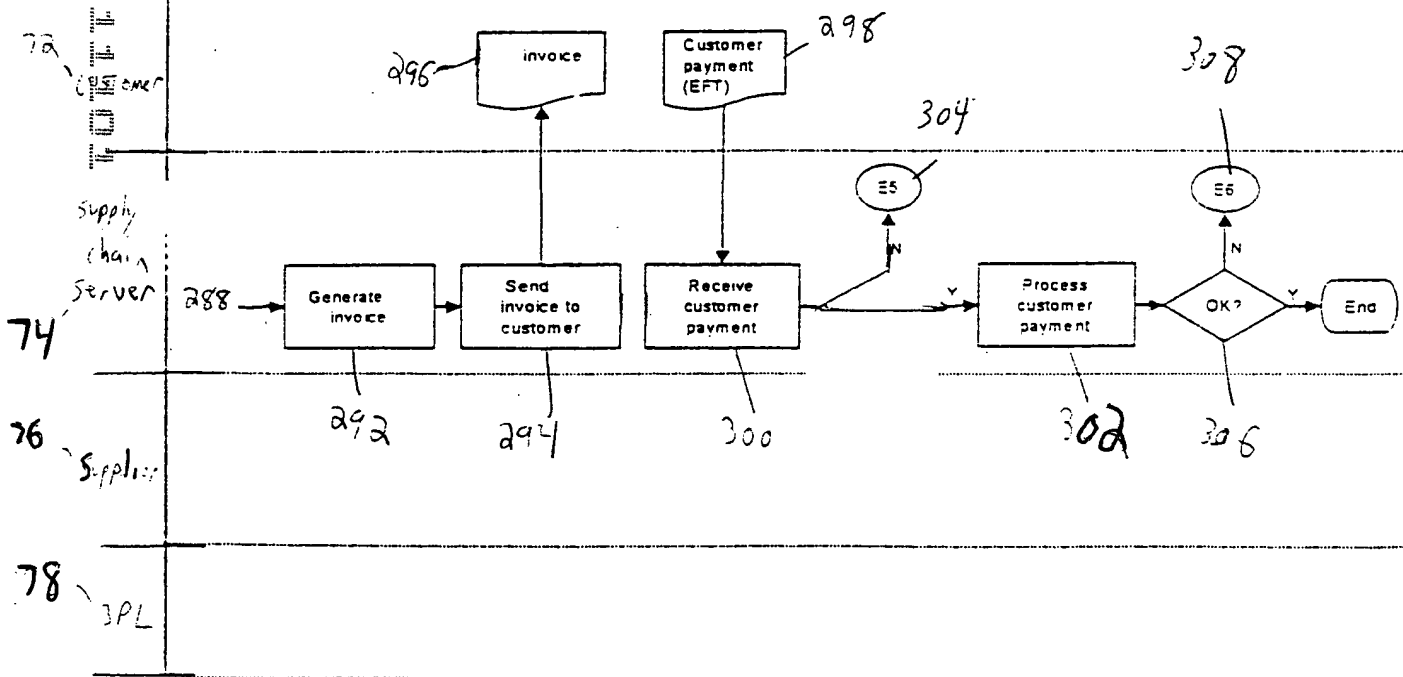


Fig. 18

TO THE 603260

Time-Phased Information Delivery

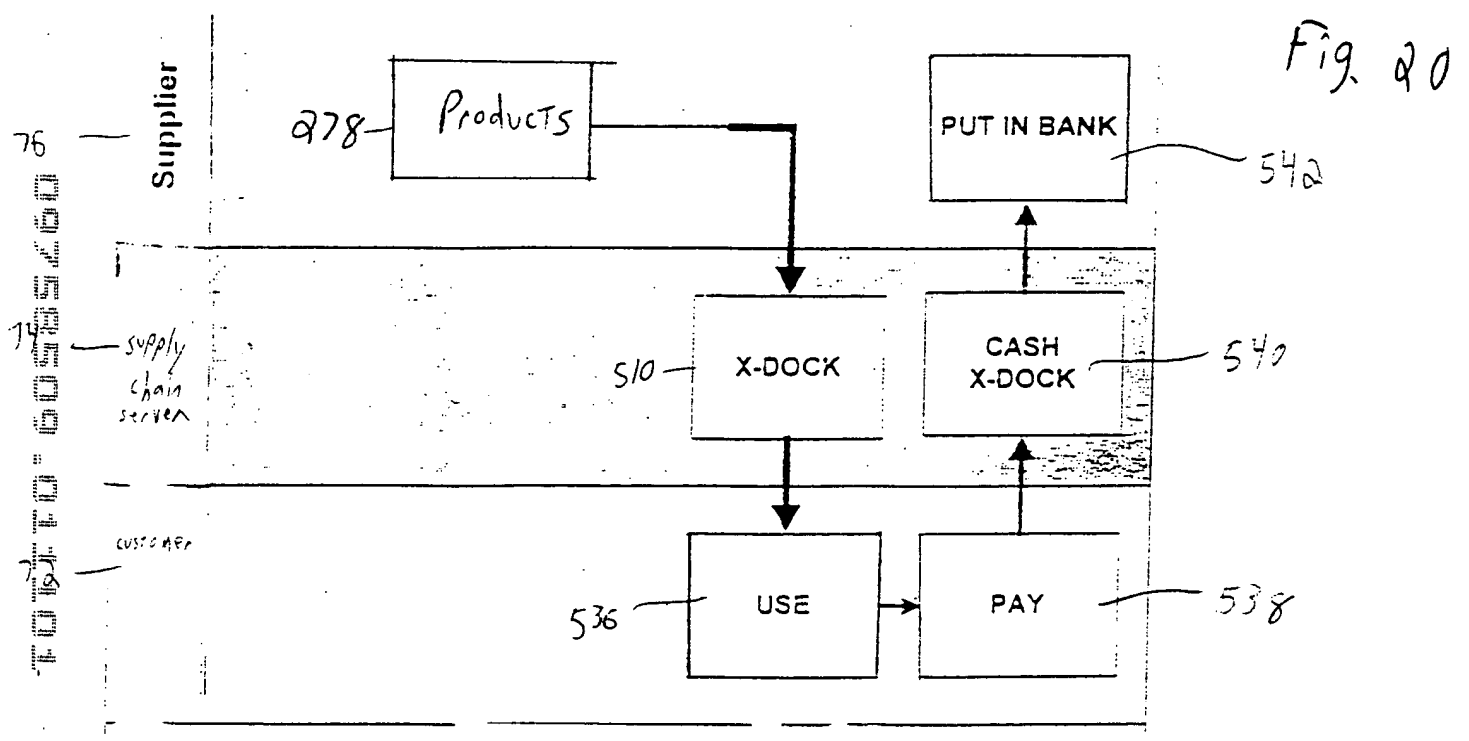
Operational

Analysis

- Real-time -	- Daily -	- Weekly -	- Monthly -
<ul style="list-style-type: none"> • Order Status • [Eventually] Customer Info Updates • Abort Code • Email to Account Team • Shipment Tracking (link to 3PL site) • Alerts/Messages 	<ul style="list-style-type: none"> • Customer Open Orders • Customer: Part #s Purchased week-to-date • \$'s spent Week-to-date • Allocation Watch • Part #-specific quantities purchased • Week-to-date • Commodity-specific quantities purchased week-to-date • Top-off parts ATP* 	<ul style="list-style-type: none"> • Customer: Part #s Purchased month-to-date • Customer \$s spent Month-to-date • Customer Order Quantities • What's New • Market Info • Customer Forecast Log • Account Balances • Part #-specific quantities purchased month-to-date • Commodity-specific quantities purchased month-to-date 	<ul style="list-style-type: none"> • Current Services (i.e., services customer has subscribed to) • Customer: Part #s Purchased Year-to-date • Historical Snapshots (Order Log, Forecast Log, Issues Resolved prior to current month) • Customer \$s spent Week-to-date • Parts supplied by <i>Supply Chain network</i> • Basic Data Service Reports • Part #-specific quantities purchased year-to-date • Commodity-specific quantities purchased year-to-date • Feedforward Reports • Premium Data Service Reports* • Bullseye Reports
	<ul style="list-style-type: none"> • Custom reports* 	<ul style="list-style-type: none"> • Custom reports* 	<ul style="list-style-type: none"> • Supplier performance statistics • <i>Supply Chain</i> performance statistics • <i>Forecast</i> forecast accuracy/uptake % • 3PL performance statistics • Market Data Trends* • Custom Reports Analysis*

Fig. 19

Fig. 20



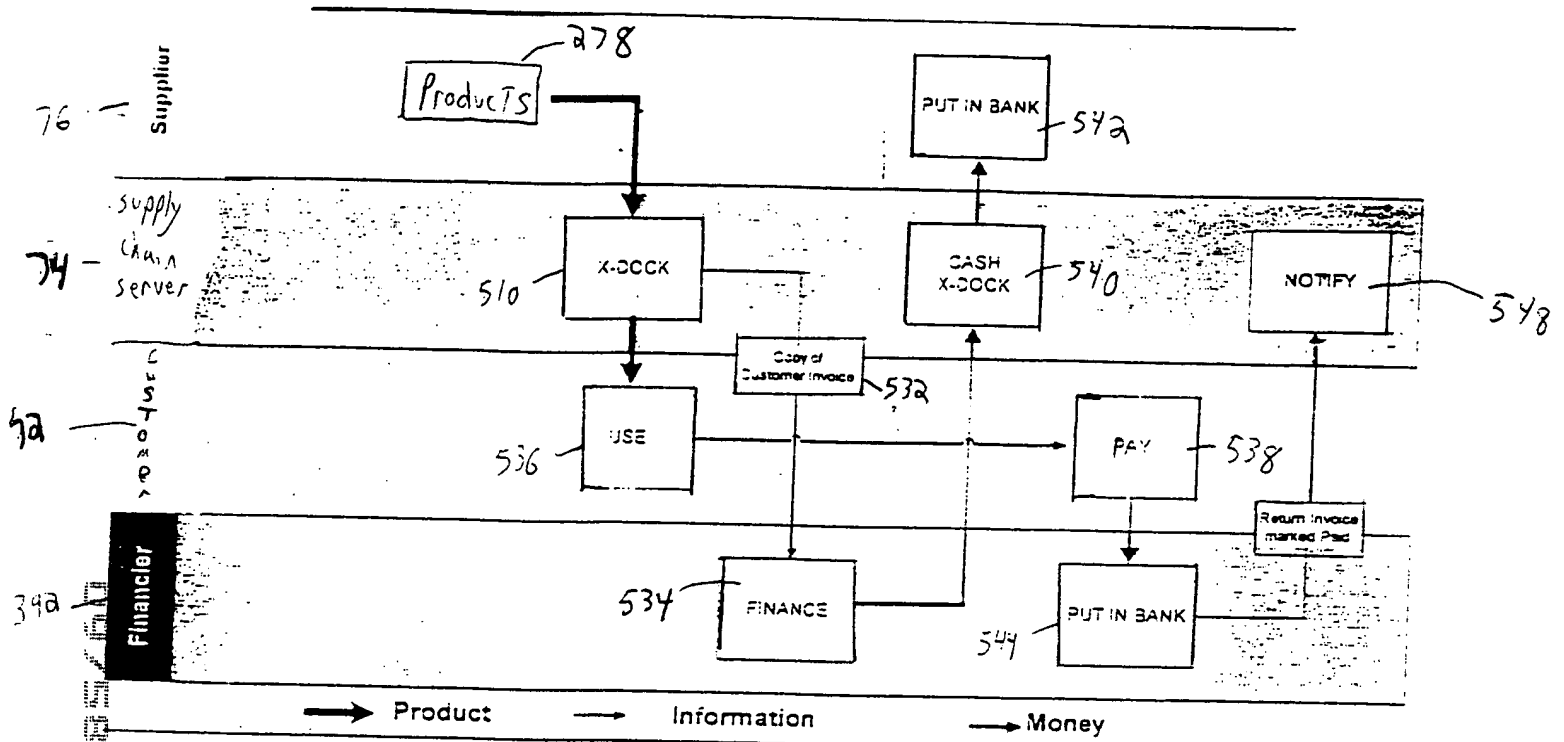


Fig. 21

FIG. 22

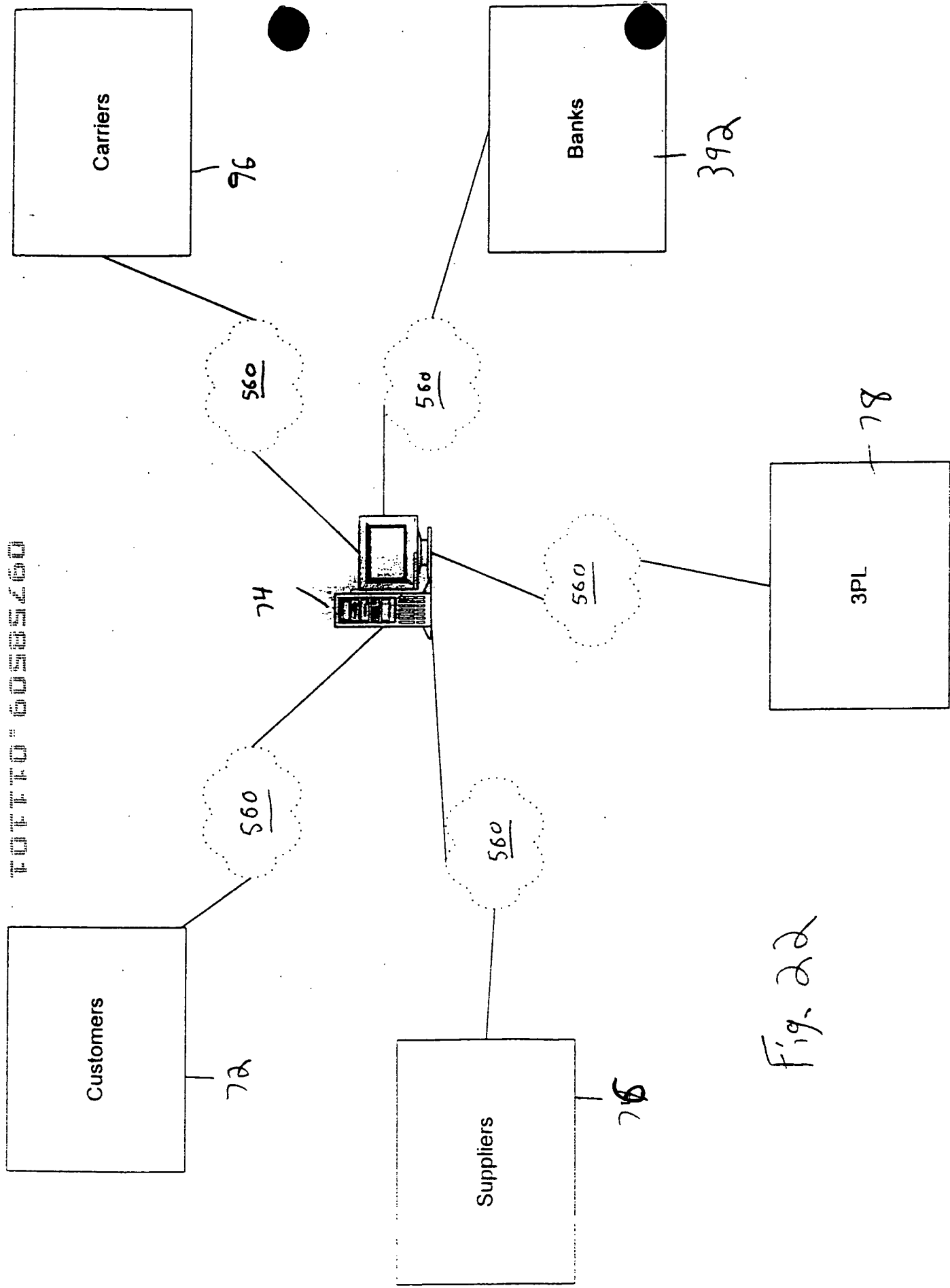


Fig. 22

FIG. 23

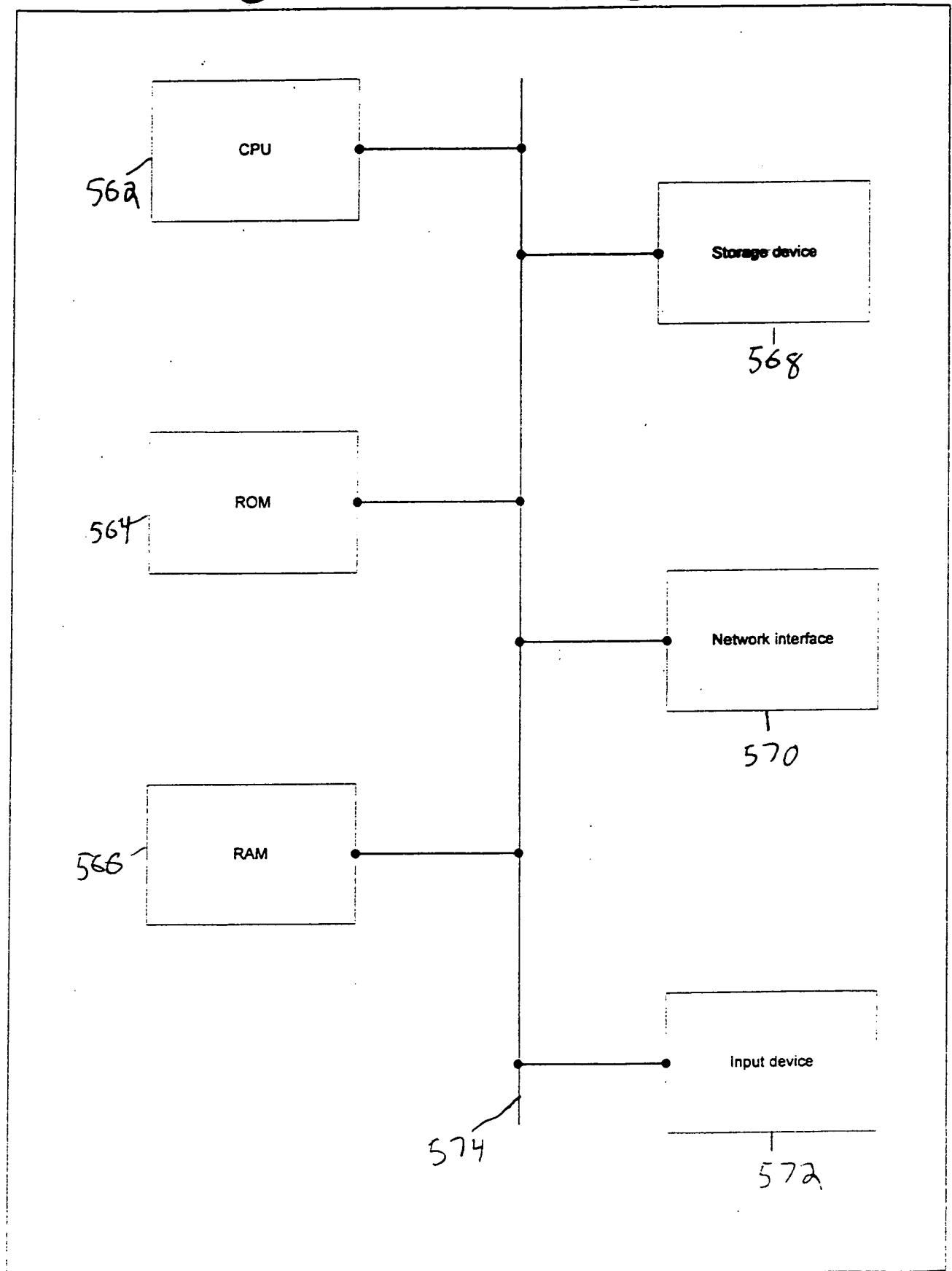


Fig. 23

74

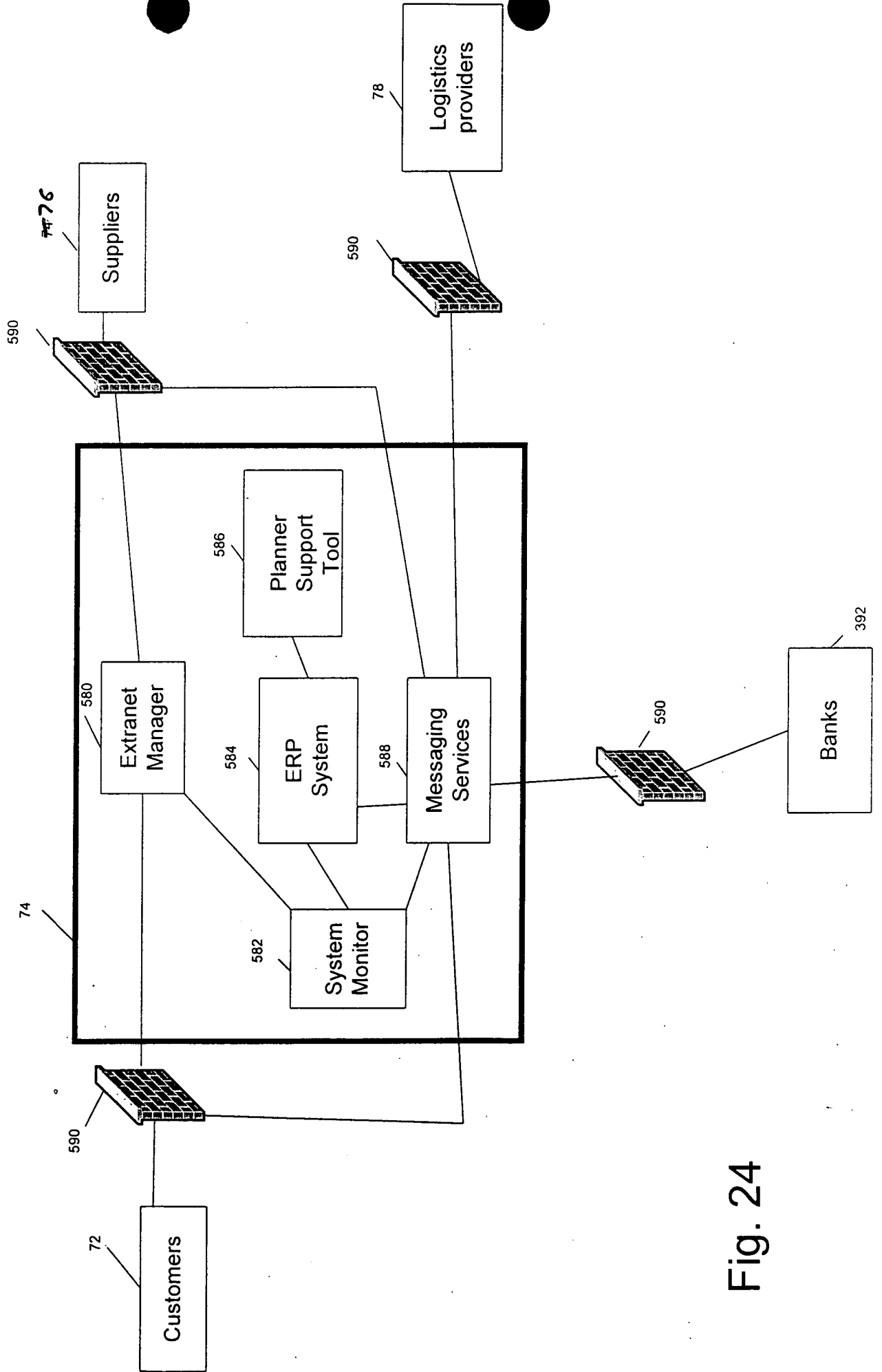


Fig. 24